



## Statement of Basis

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**V. RECEIVING WATERS:**

The discharge is into an unnamed ditch, thence into Clear Lake in segment 100303 of the Red River Basin. This segment is not listed on the 303(d) list of impaired waterbodies.

The designated uses and degree of support for Segment 100303 of the Red River Basin are as indicated in the table below<sup>1/</sup>:

Overall Degree of Support for Segment 100303	Degree of Support of Each Use						
	Primary Contact Recreation	Secondary Contact Recreation	Propagation of Fish & Wildlife	Outstanding Natural Resource Water	Drinking Water Supply	Shell fish Propagation	Agriculture
Full	Full	Full	Full	N/A	N/A	N/A	N/A

<sup>1/</sup>The designated uses and degree of support for Segment 100303 of the Red River Basin are as indicated in LAC 33:IX.1123.C.3, Table (3) and the 2006 Water Quality Management Plan, Water Quality Inventory Integrated Report, Appendix A, respectively.

**VI. ENDANGERED SPECIES:**

The receiving waterbody, Subsegment 100303 of the Red River Basin, is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U. S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated January 5, 2010 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

**VII. HISTORIC SITES:**

The discharge is from an existing facility location, which does not include an expansion beyond the existing perimeter. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the 'Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits' no consultation with the Louisiana State Historic Preservation Officer is required.

**VIII. PUBLIC NOTICE:**

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

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Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Mrs. Angela Marse

Water Permits Division

Department of Environmental Quality

Office of Environmental Services

P. O. Box 4313

Baton Rouge, Louisiana 70821-4313

**IX. PROPOSED PERMIT LIMITS:****Final Effluent Limits:****OUTFALL 001**

No changes have occurred at the facility since the issuance of the previous permit nor have any new TMDLs or water quality studies been completed. (The receiving stream meets all designated uses.) For this reason, permit limits are the same as the previous permit. Previous permit limits were established based on LDEQ's Barge Cleaners' Guidance Document, the facility's operation, and characteristics of the facility's effluent discharge. The facility's operation is similar to that of barge cleaners - TKO Services, Inc. (LA0101567) and Vacco Marine, Inc. (WP2817).

Reclamation Resources transports material and cleans equipment (its own and others). However, because of low wastewater discharge volumes at its facility, the facility is not subject to EPA's Transportation and Equipment Cleaning Guideline. Because of the nature of its operation, Reclamation Resources collects waste from off-site and generates additional waste on-site. Off-site wastes are similar and compatible to on-site waste. (ie: UST removal waste and tank cleaning waste generated off-site are similar to truck washwater generated on-site.) For this reason, the Centralized Waste Treatment (CWT) Regulations would not apply. CWT regulations do not apply if off-site wastes are of similar nature of and the treatment of such wastes are compatible with the treatment of non-CWT wastes generated and treated at the CWT. (40 CFR Part 437.1.(b)(2).

Final limits shall become effective on the effective date of the permit and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg	Weekly Avg	Basis
BOD <sub>5</sub>	30 mg/l	45 mg/l	BPJ based on the previous permit.
TSS	---	60 mg/l	LDEQ's Barge Cleaners' Guidance Document for Petroleum Products and Inorganic Chemicals.
Oil and Grease	---	15 mg/l	Previous permit limit. LDEQ's Barge Cleaners' Guidance Document for Petroleum Products and Inorganic Chemicals.
TOC	---	70 mg/l	Previous permit limit.
Total Phenols	---	0.5 mg/l	LDEQ's Barge Cleaners' Guidance Document for Petroleum Products and Inorganic Chemicals.

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Effluent Characteristic	Monthly Avg.	Weekly Avg.	Basis
Lead	---	0.15 mg/l	LDEQ's Barge Cleaners' Guidance Document for Petroleum Products and Inorganic Chemicals.
Priority pollutant scan	---	Report mg/l	Previous permit requirement.
Benzene	---	0.3*	LDEQ's Barge Cleaners' Guidance Document for Petroleum Products and Inorganic Chemicals.
Toluene	---	0.3*	LDEQ's Barge Cleaners' Guidance Document for Petroleum Products and Inorganic Chemicals.
Total xylene	---	0.3*	LDEQ's Barge Cleaners' Guidance Document for Petroleum Products and Inorganic Chemicals.
Ethyl benzene	---	0.3*	LDEQ's Barge Cleaners' Guidance Document for Petroleum Products and Inorganic Chemicals.
Naphthalene	---	0.3*	LDEQ's Barge Cleaners' Guidance Document for Petroleum Products and Inorganic Chemicals.
Polynuclear Aromatics Hydrocarbons (PAH)	---	0.01**	Previous permit limit.

\*All effluent characteristics shall be sampled simultaneously. The sum of the highest three (3) effluent characteristics in any one sampling shall not exceed 0.3 mg/l (Daily Maximum). If a grab sample is collected on any one day, the results shall not exceed the Daily Maximum value. Report individual component results and total of highest of three (3) components.

\*\*The Daily Maximum value of any of the following PAH's shall not exceed 10 ug/l: acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorine, indeno (1,2,3cd)pyrene, phenanthrene, pyrene.

In addition to the above, Total Copper, Total Nickel, and Total Zinc were monitored or limited in the previous permit due to their association with used tank/pipe salvage operations similar to those at the site. The BAT technology limit for copper, as applied to previous discharges was included along with a "Report" requirement for nickel and zinc. The permittee has submitted one set of analytical data indicating copper and nickel are below the EPA mql. This is not sufficient to demonstrate these constituents are not in the effluent discharge. Therefore, they will remain in the proposed permit.

Effluent Characteristic	Monthly Avg.	Daily Max.	Basis
Total Copper	---	0.824 mg/l	Previous permit limit.
Total Nickel	---	Report	Previous permit requirement.
Total Zinc	---	Report	Previous permit requirement.

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**Other Effluent Limitations:****1) pH**

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time. (Limits as established through BPJ considering BCT for similar waste streams in accordance with LAC 33:IX.5905.C.)

**2) Solids and Foam**

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.

**X. PREVIOUS PERMITS:**

LPDES Permit No. LA0102768: Issued: May 1, 2004  
Expired: April 30, 2009

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Monthly Avg.</u>	<u>Weekly Avg.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow	Report	Report	1/batch	Estimate
BOD <sub>5</sub>	30 mg/l	45 mg/l	1/batch	Grab
TSS	Report mg/l	60 mg/l	1/batch	Grab
Oil and grease	---	15 mg/l	1/batch	Grab
TOC	---	70 mg/l	1/batch	Grab
Total Phenol	---	0.5 mg/l	1/batch	Grab
Lead	---	0.15 mg/l	1/batch	Grab
Benzene	---	0.3 mg/l*	1/batch	Grab
Toluene	---	0.3 mg/l*	1/batch	Grab
Total Xylene	---	0.3 mg/l*	1/batch	Grab
Ethylbenzene	---	0.3 mg/l*	1/batch	Grab
Naphthalene	---	0.3 mg/l*	1/batch	Grab
Polynuclear Aromatic Hydrocarbons	---	0.01 mg/l**	1/batch	Grab
Total Copper	---	0.894 mg/l	1/batch	Grab
Total Nickel	---	Report mg/l	1/batch	Grab
Total Zinc	---	Report mg/l	1/batch	Grab
Priority Pollutant Scan (except pesticides)	---	Report mg/l	1/year	Grab
pH	---	---	1/batch	Grab

\*All effluent characteristics shall be sampled simultaneously. The sum of the highest three (3) effluent characteristics in any one sampling shall not exceed 0.3 mg/l (Daily Maximum). If a grab sample is collected on any one day, the results shall not exceed the Daily Maximum value. Report individual component results and total of highest of three (3) components.

\*\*The Daily Maximum value of any of the following PAH's shall not exceed 10 ug/l: acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(ghi)perylene, benzo(a)pyrene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorine, indeno (1,2,3cd)pyrene, phenanthrene, pyrene.

The permit contains stormwater pollution prevention language.

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**XI. ENFORCEMENT AND SURVEILLANCE ACTIONS:****A) Inspections**

A review of the files indicates an inspection has not been performed recently for this facility. Therefore, a referral has been sent to Surveillance on February 26, 2010 to request an inspection be conducted.

**B) Compliance and/or Administrative Orders**

A review of the files indicates no recent enforcement actions administered against this facility.

**C) DMR Review**

A review of the discharge monitoring reports for the period beginning January, 2005 through March, 2009 indicated no violations. No DMRs were on file after March 2009. (The permit was not administratively continued.)

**XII. ADDITIONAL INFORMATION:**

The Louisiana Department of Environmental Quality (LDEQ) reserves the right to impose more stringent discharge limitations and/or additional restrictions in the future to maintain the water quality integrity and the designated uses of the receiving water bodies based upon additional water quality studies and/or TMDL's. The LDEQ also reserves the right to modify or revoke and reissue this permit based upon any changes to established TMDL's for this discharge, or to accommodate for pollutant trading provisions in approved TMDL watersheds as requested by the permittee and/or as necessary to achieve compliance with water quality standards. Therefore, prior to upgrading or expanding this facility, the permittee should contact the Department to determine the status of the work being done to establish future effluent limitations and additional permit conditions.

In accordance with LAC 33:IX.2903., this permit may be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitations issued or approved under sections 301(b)(2)(c) and (D); 304(b)(2); and 307(a)(2) of the Clean Water Act, if the effluent standard or limitations so issued or approved:

- a) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
- b) Controls any pollutant not limited in the permit; or
- c) Requires reassessment due to change in 303(d) status of waterbody; or
- d) Incorporates the results of any total maximum daily load allocation, which may be approved for the receiving water body.

At present, the **Monitoring Requirements, Sample Types, and Frequency of Sampling** as shown in the permit are the same as the previous permit.

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**XIII. TENTATIVE DETERMINATION:**

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in this Statement of Basis.

**XIV. REFERENCES:**

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 8, "Wasteload Allocations / Total Maximum Daily Loads and Effluent Limitations Policy," Louisiana Department of Environmental Quality, 2009.

Louisiana Water Quality Management Plan / Continuing Planning Process, Vol. 5, "Water Quality Inventory Section 305(b) Report," Louisiana Department of Environmental Quality, 2006.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Chapter 11 - "Louisiana Surface Water Quality Standards," Louisiana Department of Environmental Quality, 2009.

Louisiana Administrative Code, Title 33 - Environmental Quality, Part IX - Water Quality Regulations, Subpart 2 - "The LPDES Program," Louisiana Department of Environmental Quality, 2009.

Low-Flow Characteristics of Louisiana Streams, Water Resources Technical Report No. 22, United States Department of the Interior, Geological Survey, 1980.

Index to Surface Water Data in Louisiana, Water Resources Basic Records Report No. 17, United States Department of the Interior, Geological Survey, 1989.

LPDES Permit Application to Discharge Wastewater, Reclamation Resources Inc, Reclamation Resources, April 27, 2009.